

MONOMER FOR DNA PROBE, DNA PROBE AND PRODUCTION THEREOF

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Abstract

PURPOSE:To obtain a new monomer, uniformly and densely supported on the surface of a carrier and capable of producing a DNA probe readily hybridizing the target DNA.

CONSTITUTION:The monomer for a DNA probe has a hydrophilic oligonucleotide site containing a saccharide, phosphoric acid and a base and a hydrophobic polymerizable site which is a 6-30C unsaturated fatty acid, an unsaturated alcohol, an unsaturated amine or an unsaturated hydrocarbon or a derivative thereof, e.g. a monomer of the formula. This monomer is obtained by a method for binding a linker such as a beta-amine linker to the 5'-terminal of an oligonucleotide and then binding a hydrophobic site having a group reactive with the linker and polymerizability to the linker, etc.

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